



City of Duluth

DEPARTMENT OF PUBLIC WORKS/UTILITIES
Engineering Division
211 City Hall • Duluth MN 55802
(218) 730-5200 Fax: (218) 730-5907

May 5th, 2011

Re: Brewery Creek Condition Inspection
City Project No. 0036ST

Dear Interested Parties

The City of Duluth is seeking a consultant to provide engineering services to complete a condition report of Brewery Creek. To facilitate the City's selection of a consultant, we are requesting that interested parties submit a proposal for this work as outlined in this RFP.

BACKGROUND

The City of Duluth has numerous streams and creeks that run through the city and outfall into Lake Superior. Brewery Creek is located in the central part of Duluth. Below East 11th Street, the creek is a combination of culverts, storm sewer pipes / tunnels and open channel (minor) sections that traverse between City of Duluth right-of-way, private property and under private buildings before entering the reconstructed storm sewer under I -35. The project will be broken into two segments, Phase 1, between 5th St. alley and 1st St Alley and Phase II between 11th St and 5th St Alley as shown on the attachments, an overall project site map, sewer segment data sheet and detail section and alignment maps.

The requested services are as follows:

Scope of Work:

- Inspection of the storm sewer for each section as shown. The selected Consultant will provide all equipment and staff needed to perform the work.
- Stationing shall be established for each segment to establish a point of reference for the inspection report. Stationing will be physically marked on the sewer ceiling every 25' and at each point where size, construction type and / or material changes.
- Verification / documentation of the storm sewer cross sectional configuration and material type by station. The City will provide all information it has on the current alignment and pipe material and configuration, but the information is aged and has not been confirmed within the City. This shall be included in the final report.
- Prepare an inspection/condition report discussing condition issues and general repair or replacement recommendations referenced to the sewer stationing, and to include photographs of general condition issues and significant individual condition issues.

- A structural integrity determination should be made for each portion of the sewer that is located below or within a building's foundation bearing zone.
- Locate manholes and pipe penetrations (including pass-thru pipes, i.e. gas, steam....) and note stationing and entry location within sewer, material type, diameter, active or not (if possible), and condition of pipe connection and /or condition of manhole.

SCHEDULE

The work shall be completed by November 18th, 2011. The work shall include a completed final draft condition report containing the items discussed above.

FORMAT OF SUBMITTALS

In order to facilitate the review and evaluation of the qualifications and proposals received, all submittals shall be organized in the following outline format:

- A. Firm Background – General and Project related.
- B. Qualifications and Experience: Provide a summary of the firm's previous experience on structural inspection and reporting of similar projects.
- C. Scope of Services: Describe in detail the consultant's view of the work required (project approach) relative to the project. Additionally describe in depth how the "structural integrity determination" will be completed (methodology, field work and reporting).
- D. Additional Information: As needed.
- E. Cost Proposal: Provide a cost proposal for the work described above. The proposal should give a cost for each segment to be completed individually and for both segments completed as one project. Terms of the proposal as stated must be valid for the length of the project.

Include a "not to exceed" total project cost and any sub-consultant fees, along with the following information:

- Identification of anticipated direct expenses.
- Identification of any assumptions made while developing this cost proposal.
- Provide a fee schedule to include each employee showing assigned tasks, estimated hours and an hourly billing rate. Fee schedule should document all expected costs and expenses.

SUBMITTAL DATE

Submit three (3) copies of the response to this RFP to:

Tom Johnson, P.E. Project Engineer
City of Duluth
411 W. 1st St., Room 211
Duluth, MN 55802

Responses must be received by 2:00 PM CST, Friday May 27th, 2011

Thank you in advance for your time and effort in responding to this request. Please contact Tom Johnson directly at (218)730-5103 if you have any questions in responding to this RFP. Selection will be based on the results of a weighted score of 60% for qualifications and 40% for cost.

Sincerely,

Tom Johnson, P.E.
Project Engineer

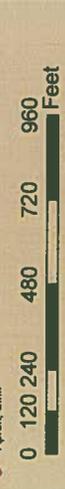
cc: Jim Benning, Director of Public Works and Utilities
Cindy Voigt, City Engineer, Eric Shaffer, Chief Engineer of Utilities
Gary Minck, Project Engineer, Steve Lipinski, Manager of Utility Operations
Dennis Sears, Purchasing Agent



Legend

- Apron, Source
 - Band, None
 - Cap, None
 - Coupling, None
 - Cross, None
 - Cross, Source
 - Expansion Joint, None
 - Offset, None
 - Pipe End, None
 - Pipe End, Sink
 - Reducor, None
 - Riser, None
 - Saddle, None
 - Sleeve, None
 - Tee, None
 - Tee, Source
 - Unknown, None
 - Weld, None
 - Wye, None
 - Wye, Source
- Apron, Sink

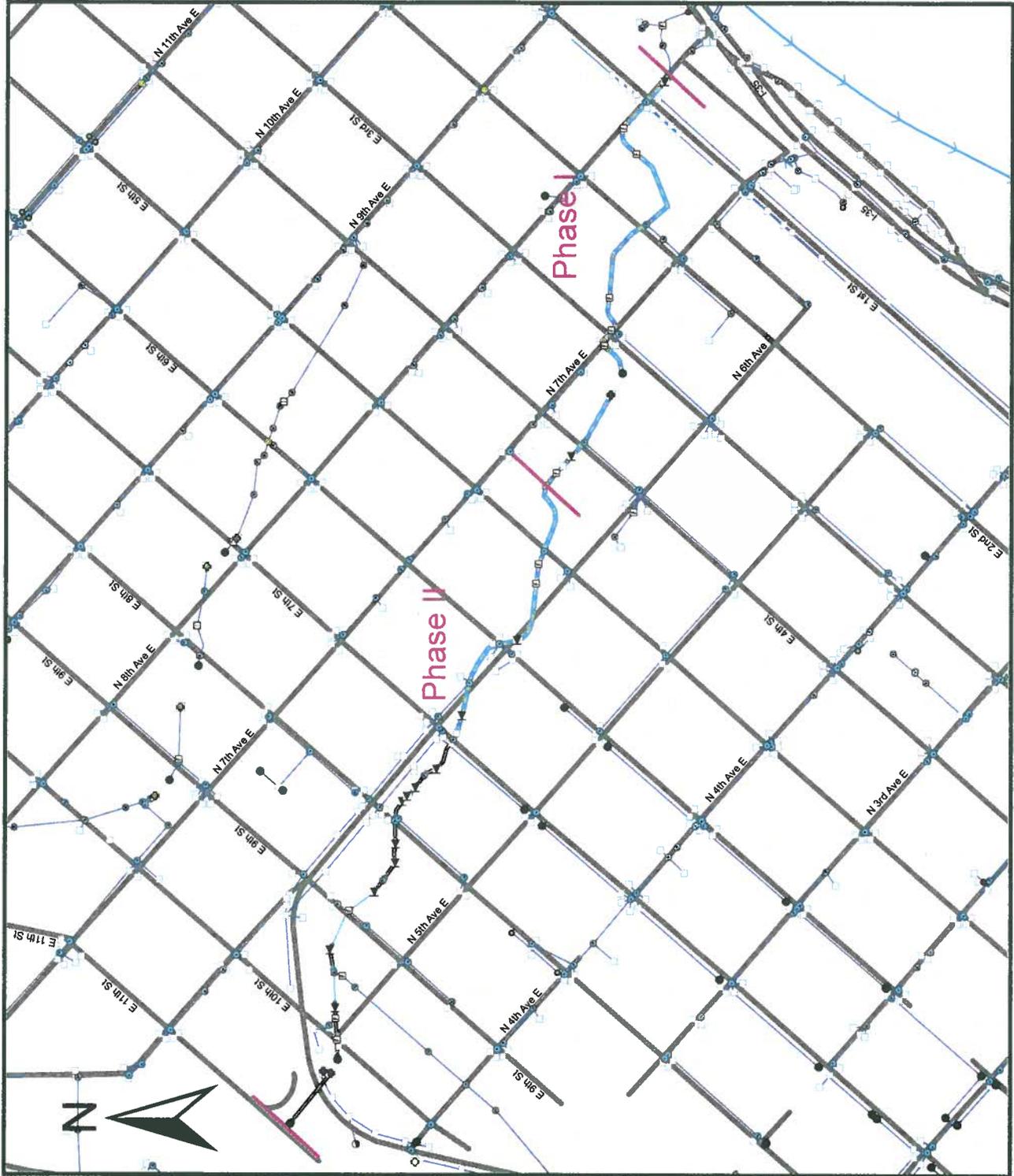
- Brewery_Pipes
- Subtype - all other values
- Collector
- Culvert
- Inline Storage
- Invertor
- Inverted Siphon
- Network Connection (No Pipe)
- Open Channel
- Outfall
- Overflow
- Sedimentation Channel
- Trench Drain
- Tunnel
- All Other Storm Sewers
- Manhole
- CatchBasin



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City of Duluth - Brewery Creek Inspection Project- Attachment - Spring 2011
Storm Sewer Segment Data - Reference GIS Exhibits

	Sewer Segment	Upstream Node	Downstream Node	Segment Configuration						
				Length (ft)	Height/Diam (In)	Width (in)	Shape	Material	Comment	
Phase I	SS0470324	ST0470132	ST0470133	118	84	60	ARCH	STN	Size/material transition structure ~20' upstream MH	
	SS0470319	DS0470135	ST0470132	123	84	60	ARCH	STN		
	SS0470318	DS0470136	DS0470135	114	84	60	ARCH	STN		
	SS0470523	ST0470156	DS0470136	0	0	0	UNK	UNK	Size, material and alignment require verification	
	SS0470522	DS0470150	ST0470156	319	84	60	ARCH	STN	Size, material and alignment require verification	
	SS0470361	DS0470153	DS0470150	130	72	64	ARCH	STN		
	SS0470360	DS0470169	DS0470153	50	84	64	ARCH	STN		
	SS0470359	DS0470148	DS0470169	18	84	64	ARCH	STN		
	SS0470358	DS0470149	DS0470148	10	72	80	ARCH	STN		
	SS0470521	DS0470227	DS0470149	114	72	72	ARCH	STN		
	SS0470671	DS0470272	DS0470226	37	66	60	ARCH	STN	Exact segment length not known	
	SS0470670	DS0470271	DS0470272	73	78	66	CIR	CMP	Exact segment length not known	
	SS0470669	DS0470270	DS0470271	42	84	60	ARCH	STN	Exact segment length not known	
	SS0470520	ST0470183	DS0470270	43	66	60	ARCH	STN	Exact segment length not known	
	SS0470519	DS0470236	ST0470183	68	84	60	ARCH	STN		
	SS0470587	CB0470354	DS0470236	45	96	42	BOX	PPC	42" w bottom, 60" w top, part stone, part concrete	
	SS0470586	DS0470235	CB0470354	36	96	42	BOX	PPC	42" w bottom, 60" w top, part stone, part concrete	
	SS0470585	DS0470224	DS0470235	59	84	60	ARCH	STN		
	Phase II	SS0470518	ST0470180	DS0470224	259	84	60	ARCH	STN	
		SS0470661	DS0470263	ST0470180	50	88	60	BOX	PPC	
SS0470660		DS0470264	DS0470263	72	60	60	BOX	PPC		
SS0470668		DS0470269	DS0470264	228	78	48	BOX	PPC		
SS0470517		ST0470178	DS0470269	64	72	48	BOX	PPC		
SS0470516		ST0470176	ST0470178	188	72	48	BOX	PPC		
SS0470515		DS0470265	ST0470176	121	72	48	BOX	PPC		
SS0470667		CB0470355	DS0470265	0	60	60	BOX	PPC		
SS0470589		ST0470174	CB0470355	0	60	60	BOX	NCP		
SS0520543		DS0520529	ST0470174	124	60	60	BOX	PPC		
SS0520560		ST0470220	DS0520529	52	48	72	BOX	PPC		
SS0520417		DS0520528	ST0470220	52	48	72	BOX	PPC		
SS0520559		DS0520527	DS0520528	44	60	72	BOX	STN		
SS0520558		DS0520526	DS0520527	25	48	0	CIR	RCP		
SS0520557		ST0520054	DS0520526	60	60	60	BOX	PPC		
SS0520100		DS0520561	ST0520054	82	60	60	CIR	RCP		
SS0520530		DS0520053	DS0520561	70	54	60	BOX	PPC		
SS0520348		ST0520052	DS0520053	77	60	60	BOX	PPC		
SS0520088		DS0520051	ST0520052	51	60	60	BOX	PPC		
SS0520073		ST0520049	DS0520051	0	72	0	CIR	RCP		
SS0520347		DS0520047	ST0520049	149	72	0	CIR	RCP		
SS0520346		ST0520046	DS0520047	85	60	60	BOX	PPC		
SS0520561		DS0520524	ST0520046	128	72	0	CIR	RCP		
SS0520430		ST0520167	DS0520524	117	60	60	BOX	PPC		
SS0520343		DS0520166	ST0520167	77	60	60	BOX	PPC		
SS0520341		DS0520162	DS0520163	232	60	60	BOX	PPC		

* All "BOX" shaped pipe is assumed to be poured in place concrete (PPC), this information has not been verified
 * Stone arch pipe (STN, ARCH) generally consists of bluestone walls with a brick arch top



Legend

Fitting

- all other values
- Pipe End, Sink
- Pipe End, Storm
- Restroom, None
- Rest, None
- Saddle, None
- Sinks, None
- Taps, None
- Tee, None
- Tee, Source
- Livestock, None
- Wall, None
- Well, None
- Wet, None
- Wet, Source
- Manhole
- Catchbasin
- Brewery Piping
- all other values

Subtype

- Collector
- Outlet
- Wine Storage
- Interceptor
- Inverted Siphon
- Manhole Connection (No Pen)
- Open Channel
- Outfall
- Overflow
- Sedimentation Channel
- French Drain
- Tunnel
- All Other Storm Sewers

0 20 40 80 120 160 Feet

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